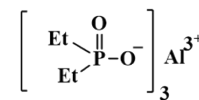
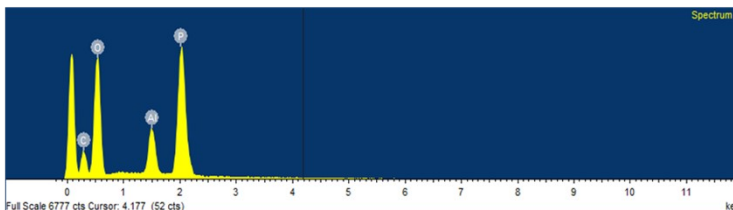
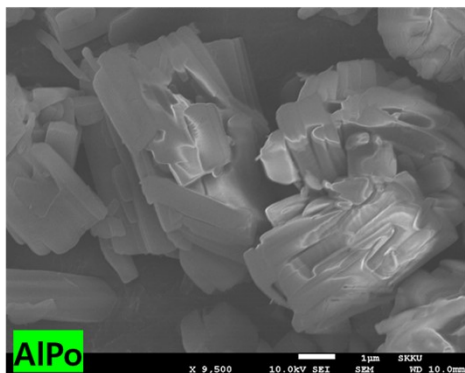


Element	Weight%	Atomic%
C K	39.09	53.13
O K	29.07	29.67
Al K	5.47	3.31
P K	26.36	13.89
Totals	100.00	

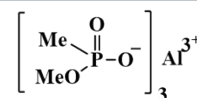


Aluminum Diethyl Phosphinate
 P, 23.81; Al, 6.91

➤ Micro size with rod-shape



Element	Weight%	Atomic%
C K	23.41	33.93
O K	42.78	46.55
Al K	6.24	4.03
P K	27.57	15.49
Totals	100.00	



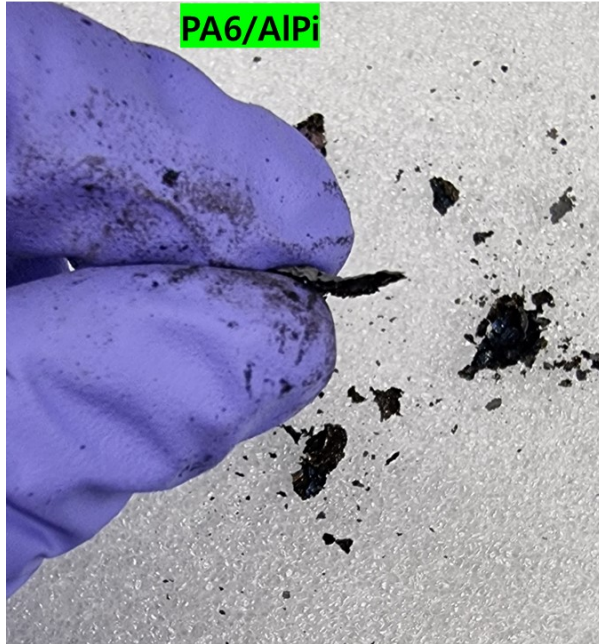
Aluminum Methyl Methoxy Phosphonate
 P, 26.24; Al, 7.62

➤ Micro size with rod-shape

S1: SEM and EDS of FRs

- a. UL-94 test of Pristine PA6
<https://youtube.com/shorts/lzpzUPymQu4>
- b. UL-94 test of PA6/AIPi (15wt%)
https://youtube.com/shorts/latmbbu9_Is
- c. UL-94 test of PA6/AIPo (15wt%)
<https://youtube.com/shorts/hzKI8vshBsg>
- d. UL-94 test of PA6/AIPo (20wt%)
<https://youtube.com/shorts/MKjpmNuDQxQ>

S2: videos of UL-94 test



S3: pictures of char after cone calorimeter